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FIG. 1 (A)

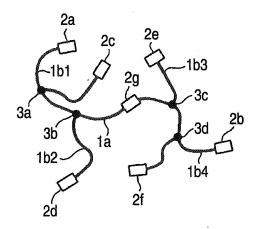
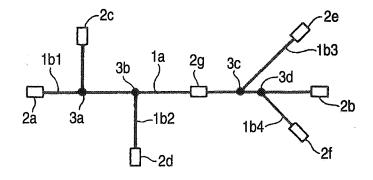


FIG. 1 (B)



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FIG. 2 (A)

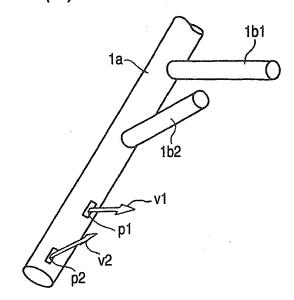
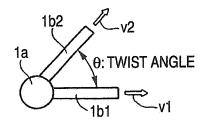


FIG. 2 (B)

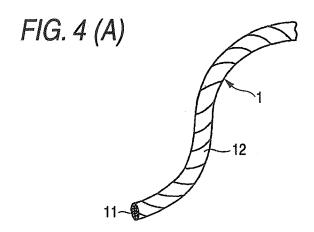


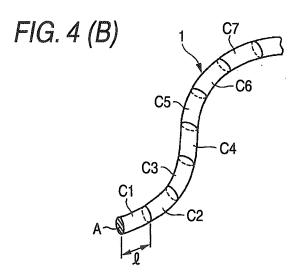
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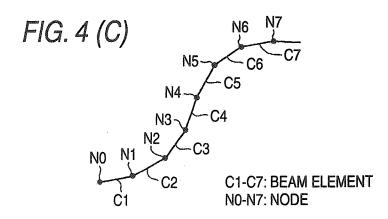
	RESTRAINED DEGREES OF FREEDOM SUPPORT MEMBER	X-AXIS TRANSLATION	X-AXIS Y-AXIS Z-AXIS TRANSLATION TRANSLATION	Z-AXIS TRANSLATION	X-AXIS ROTATION	Y-AXIS ROTATION	Z-AXIS ROTATION
COMPLETE	CONNECTOR	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED
COMPLETE	LONG-HOLE CLAMP	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED
ROTATIONAL RESTRAINT	ROUND-HOLE CLAMP	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	ENABLED
ROTATIONAL RESTRAINT	CORRUGATED LONG-HOLE CLAMP	DISABLED	DISABLED	DISABLED	ENABLED	DISABLED	DISABLED
ROTATIONAL RESTRAINT	CORRUGATED ROUND-HOLE CLAMP	DISABLED	DISABLED	DISABLED	ENABLED	DISABLED	ENABLED
COMPLETE FREEDOM	BRANCH POINT	ENABLED	ENABLED	ENABLED	ENABLED	ENABLED	ENABLED

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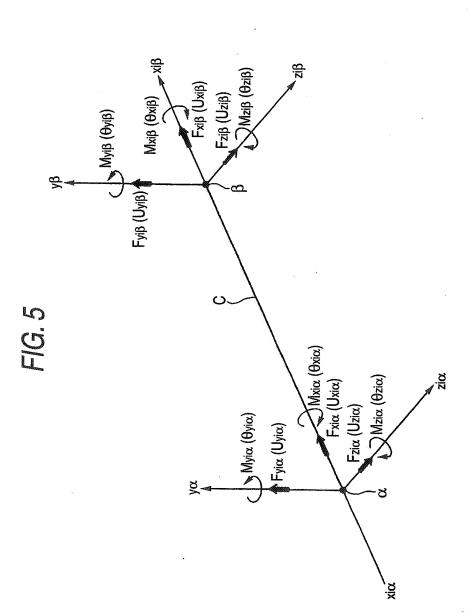
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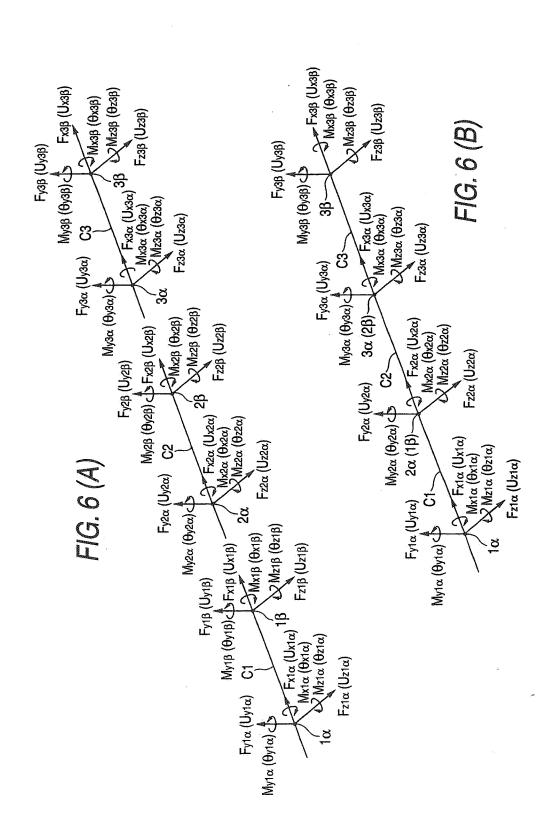




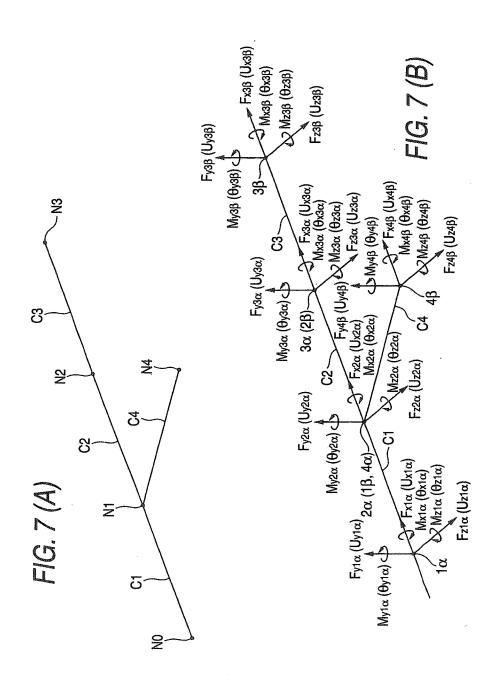


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FIG. 8 (A)

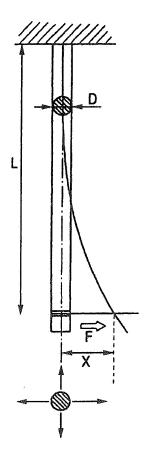
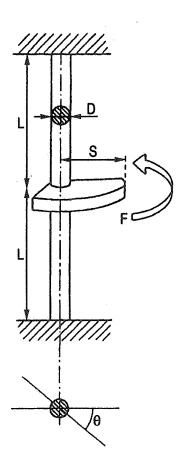
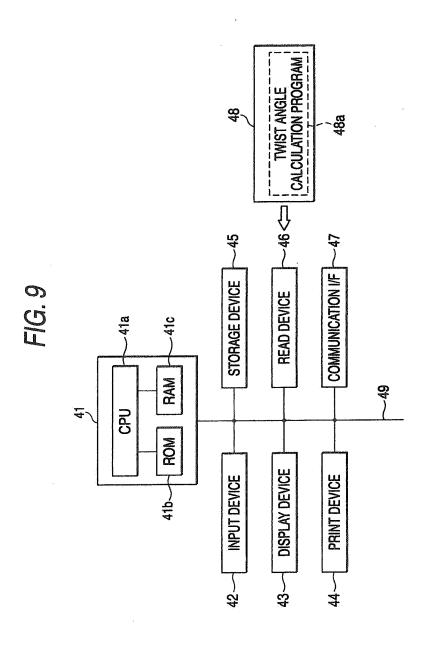


FIG. 8 (B)



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FIG. 10

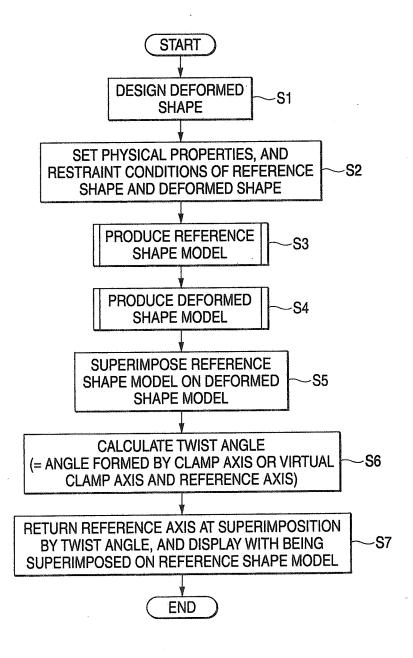
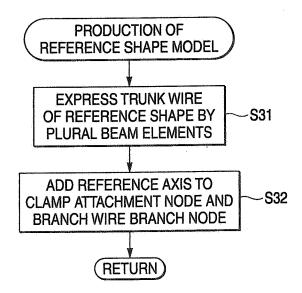
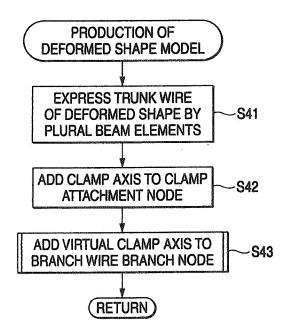


FIG. 11 (A)



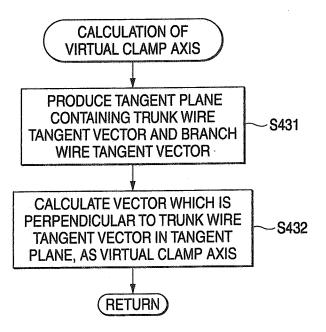
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FIG. 11 (B)



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FIG. 11 (C)



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FIG. 12 (A)

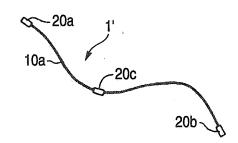


FIG. 12 (B)

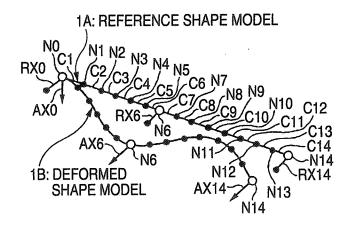
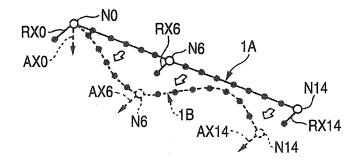


FIG. 12 (C)



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FIG. 12 (D)

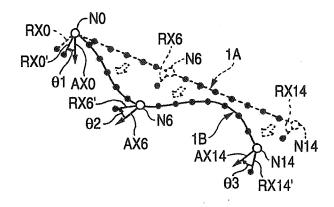
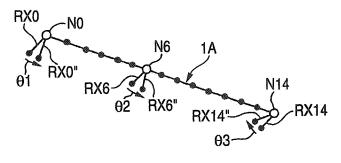


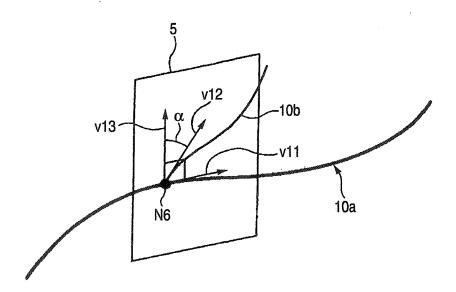
FIG. 12 (E)



θ1-θ3: TWIST ANGLE

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FIG. 13

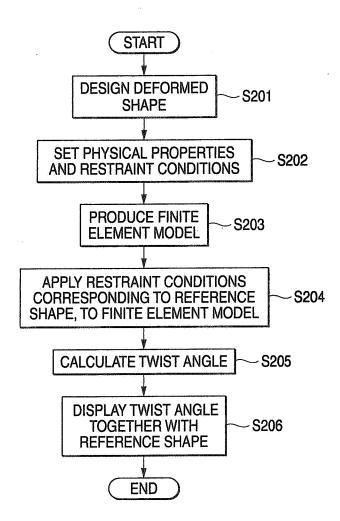


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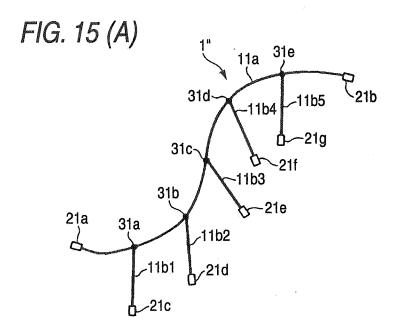
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FIG. 14



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FIG. 15 (C)

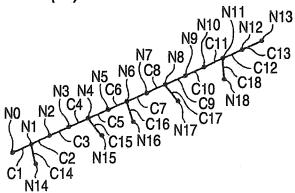


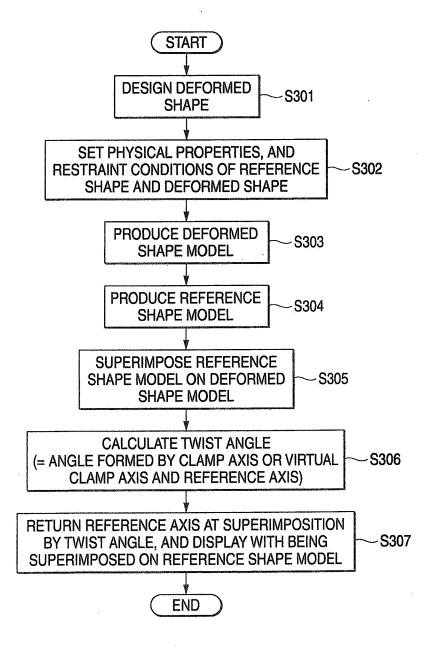
FIG. 15 (D)

C15 C16 C14 C1-C13 011 012

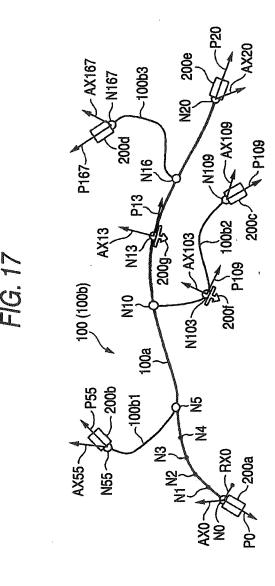
θ11, θ12: TWIST ANGLE

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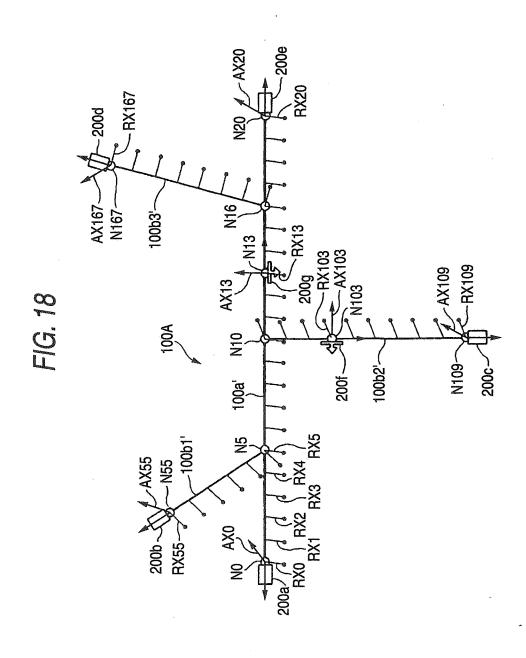
FIG. 16

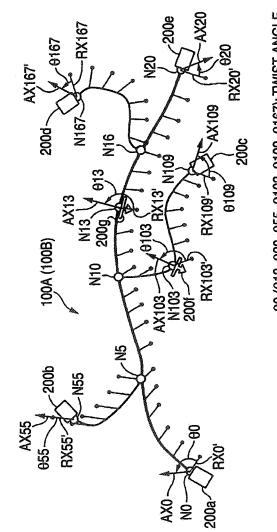


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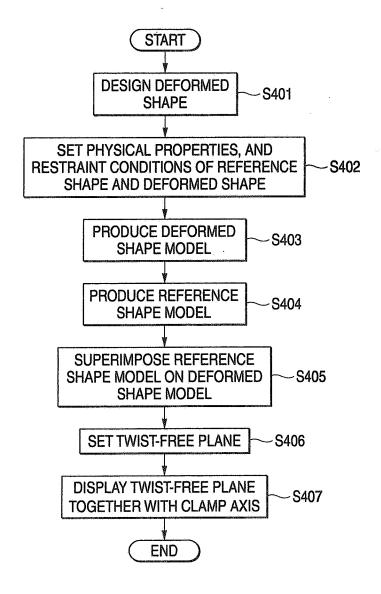


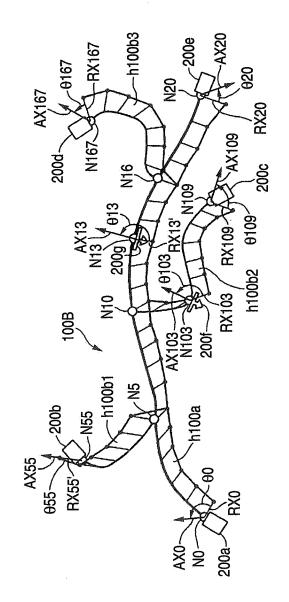


60 (613, 620, 655, 9103, 6109, 6167): TWIST ANGLE

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FIG. 20





h100a (h100b1, h100b2, h100b3): TWIST FREE PLANE

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